

## ECS Configuration Change Request

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1. Originator Evan Winston	2. Log Date: 20 FEB 01	3. CCR #: 01-0139	4. Rev: —	5. Tel: 301.925.0348	6. Rm #: 2013	7. Dept. DEV/CO
8. CCR Title: Test Executable 5B.06_DPS.29629mp to EDC. Trial fix for 100M DEM entries missing from runtime PCF.						
9. Originator Signature/Date <i>E. Winston</i> 2/19/01		10. Class II	11. Type: CCR	12. Need Date: 02/20/2001		
13. Office Manager Signature/Date <i>E. Winston for Tim Davis</i> 2/19/01		14. Category of Change: Update ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 28). Emergency		
16. Documentation/Drawings Impacted: N/A		17. Schedule Impact: N/A		18. CI(s) Affected:DPS		
19. Release Affected by this Change: 5B		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: NCRs ECSed 29629 -- Not final fix						
23. Problem: (use additional Sheets if necessary) 29629 -- 100M DEM entries missing from runtime PCF.  Developer has a fix which cannot be adequately tested in Landover. Send developer's view of correction to EDC for testing ONLY!!!!!! If test successful developer will complete fix by merging to baseline. EDC will save (prior to test) and restore (after test) the mode's current configuration.						
24. Proposed Solution: (use additional sheets if necessary) Test Executable 5B.06_DPS.29629mp will provide trial fixes to the problems listed above. TE can be loaded on top of installations of 5B.06 for TESTING ONLY.						
25. Alternate Solution: (use additional sheets if necessary) Take no action now and wait until 5B.07 is available.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) DAACs must continue to work around the problems and/or modify operating procedures.						
27. Justification for Emergency (If Block 15 is "Emergency"): addresses item on the ECS Top Priority List.						
28. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): <i>Robert Miller</i> 2/20/01		Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
33. M&O CCB Chair (Sign/Date): <i>W. Davis</i> 2/20/01		Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
34. ECS CCB Chair (Sign/Date):		Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS				

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ECS/EDF/SCDV/M&amp;O

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## ADDITIONAL SHEET

CCR #: 01-0139 Rev: — Originator: Evan Winston

Telephone: 301.925.0348 Office: DEV/CO

**Title of Change:** Test Executable 5B.06\_DPS.29629mp to EDC. Trial fix for 100M DEM entries missing from runtime PCF.

CONTENT:  
CM:

Please generate a SUN TAR file from the developer's view:  
mprimett\_NCR29629\_5B for the following file:

/ecs/formal/PDPS/DPS/bin/sun5.5/EcDpPrEM

SMC: distribute to the DAACs.

DAAC Install Instructions:

This TE, 5B.06\_DPS.29629mp must be used on top of 5B.06 installations.

This TE is required for TESTING ONLY at EDC!!!!!!!!!!!! In no case should this code be installed in OPS mode!!!!!!

1. Get TAR Files from SMC distribution;
2. UNTAR the files and copy to the staging area.
3. Please follow install and testing instructions below.

I have a potential code fix in my view (mprimett\_NCR29629\_5B), which I  
> think will solve the problem. I've done some unit testing back here, but  
> I'd really like for EDC to run their test with the new executable  
> (/ecs/formal/PDPS/DPS/bin/sun5.5/EcDpPrEM) out at EDC to verify that  
> this solves the problem, before I do any merging. (We don't really have  
> the facilities in the integration lab to run a test, and if I go down to  
> the PVC, I'd have to devise a test scenario based on data from EDC which  
> would take me far longer than it would take EDC just to test this in  
> their TS1 test mode). I'm assured that this is possible, all I need to  
> do is supply you with the information and you can magically make it all  
> happen! The view name where my fixes can be found is:  
>  
> mprimett\_NCR29629\_5B  
>  
> The file changed is:  
>  
> /ecs/formal/PDPS/DPS/PRONG/src/ExecMgmt/DpPrPcf.cxx  
>  
> which changes the executable /ecs/formal/PDPS/DPS/bin/sun5.5/EcDpPrEM  
>  
> The DAAC would just need to put the file EcDpPrEM into  
> /usr/ecs/TS1/CUSTOM/bin/DPS, saving off their current executable first,  
> of course. Gayla is familiar with the test that needs to be run and can

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> do so fairly quickly, if she has an opportunity to fit it into her busy  
> schedule. If anyone has any questions feel free to Email me or call me  
> at 301 883 4119. Thanks in advance for your help,  
>  
> Mike Primett

Do NOT allow this code to remain in use in any mode after the testing is completed - Restore the mode's files after testing.

Report the results of the testing through Cheryl Jones and Mike Primett.

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